

Subject: INSURV QUARTERLY SURFACE SHIP MESSAGE NR 16

Importance: Low

R 172042Z DEC 02 PRESINSURV NORFOLK VA

ATTENTION INVITED TO

ROUTINE

R 172042Z DEC 02 PSN 435259I28

FM PRESINSURV NORFOLK VA

TO CNO WASHINGTON DC  
COMNAVSURFLANT NORFOLK VA  
COMNAVSURFLANT NORFOLK VA  
COMNAVAIRLANT NORFOLK VA  
COMSUBLANT NORFOLK VA  
COMSC WASHINGTON DC  
COMSCLANT NORFOLK VA  
ZEN/CINCPACFLT PEARL HARBOR HI  
ZEN/COMNAVSURFPAC SAN DIEGO CA  
ZEN/COMNAVAIRPAC SAN DIEGO CA  
ZEN/COMSUBPAC PEARL HARBOR HI  
ZEN/COMSCPAC SAN DIEGO CA  
ZEN/COMSCPAC SAN DIEGO CA

INFO PEO EXW WASHINGTON DC  
PEO CARRIERS WASHINGTON DC  
BUMED WASHINGTON DC  
CNET PENSACOLA FL  
NAVICP MECHANICSBURG PA  
NAVMEDLOGCOM FT DETRICK MD  
NETPDTC PENSACOLA FL  
NAVSURFWARCEN SHIPSYSENGSTA PHILADELPHIA PA  
COMNAVSAFECEN NORFOLK VA  
COMAFLOATRAGRU ATLANTIC NORFOLK VA  
SWOSCOLCOM NEWPORT RI  
FTSCLANT NORFOLK VA  
ZEN/COMNAVSEASYS COM WASHINGTON DC  
ZEN/PEO THEATER SURFACE COMBATANTS WASHINGTON DC DET A  
ZEN/PEO THEATER SURFACE COMBATANTS WASHINGTON DC  
ZEN/PEO MUW WASHINGTON DC  
ZEN/NAVSURFWARCEN CARDEROCKDIV BETHESDA MD  
ZEN/NAVSURFWARCENDIV CORONA CA  
ZEN/COMAFLOATRAGRUPAC SAN DIEGO CA  
ZEN/COMAFLOATRAGRUMIDPAC PEARL HARBOR HI  
ZEN/COMAFLOATRAGRUWESTPAC DET SASEBO JA  
ZEN/COMAFLOATRAGRUWESTPAC YOKOSUKA JA  
ZEN/S/L=VIRGINIA/L=NORFOLK/OU=NAVENVIRHLTHCEN NORFOLK VA(N)  
ZEN/NAVOSHENVTRACEN NORFOLK VA  
ZEN/FTSCPAC SAN DIEGO CA  
ZEN/FTSCPAC SAN DIEGO CA  
ZEN/PRESINSURV NORFOLK VA

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UNCLAS

\*\*\*THIS IS A 2 SECTION MESSAGE COLLATED BY DMDS\*\*\*

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SUBJ: INSURV QUARTERLY SURFACE SHIP MESSAGE NR 16

UNCLAS

PASS TO OFFICE CODES:

FM PRESINSURV NORFOLK VA//00//

TO CNO WASHINGTON DC//N09/N096/N09B/N3/

N4/N43/N45/N454/N5/N8/N86/N87/N88//

CINCLANTFLT NORFOLK VA//N01/N3/N4/N43/N45/N46/N465/N467//

CINCPACFLT PEARL HARBOR HI//N01/N3/N4/N43/N45/N46/N466//

COMNAVSURFLANT NORFOLK VA//N00/N01/N3/N4/N41/N43/N44/N8//

COMNAVSURFPAC SAN DIEGO CA//

N00/01/N3/N4/N41/N43/N44/N418/N8//

COMNAVAIRLANT NORFOLK VA//N00/N01/N3/N43/N45/N454/N8//

COMNAVAIRPAC SAN DIEGO CA//N00/N01/N3/N43/N45/N454/N8//

COMSUBLANT NORFOLK VA//N01/N3/N4/N45/N451//

COMSUBPAC PEARL HARBOR HI//N01/N3/N4/N45/N451//

COMSC WASHINGTON DC//N00/N01/N00S/N4/N42/PM1/PM2//

COMSCLANT NORFOLK VA//N4/N47//

COMSCPAC SAN DIEGO CA//N4/N47//

INFO COMNAVSEASYS COM WASHINGTON DC//00/00TA2/04M/04X/04L/

05NI/05/05D/05L/05P/05U/05Z/91/91W/915/92TE//

PEO THEATER SURFACE COMBATANTS WASHINGTON DC//PMS400/PMS400F///

PEO EXW WASHINGTON DC//00/01/PMS307/PMS325/PMS377//

PEO CARRIERS WASHINGTON DC//00/01//

PEO MUW WASHINGTON DC//00/PMS303/PMS407//

BUMED WASHINGTON DC//02/24/242//

CNET PENSACOLA FL//01/00X1/N34//

NAVICP MECHANICSBURG PA//NAVICP-04/41/42/424/51//

NAVMELOGCOM FT DETRICK MD//03//

NETPDTC PENSACOLA FL//N34//

NAVSURFWARCEN SHIPSYS ENG STA PHILADELPHIA PA//9750//

NAVSURFWARCEN CARDEROCK DIV BETHESDA MD//24//

NAVSURFWARCENDIV CORONA CA//QA33//

COMNAVSAFECEN NORFOLK VA//00/30//

COMAFLOATRAGR U ATLANTIC NORFOLK VA//00//

COMAFLOATRAGRUPAC SAN DIEGO CA//00//

COMAFLOATRAGRUMIDPAC PEARL HARBOR HI//00//

COMAFLOATRAGR UWESTPAC YOKOSUKA JA//00//

SWOSCOLCOM NEWPORT RI//60//

COMNAVSURFRESFOR NEW ORLEANS LA//00//

SERVSCOLCOM GREAT LAKES IL//01//

NAVENVIRHLTHCEN NORFOLK VA//00/01/IH//

NAVOSHENVTRACEN NORFOLK VA//00/01//

FTSCLANT NORFOLK VA//00/4100//

FTSCPAC SAN DIEGO CA//00/300/308//

SUBJ///

REF/A/DOC/OPNAV/94NOV01//

REF/B/DOC/NAVSEA/96OCT01//

NARR/REF A IS OPNAVINST 5090.1B, ENVIRONMENTAL AND NATURAL RESOURCES PROGRAM MANUAL, WITH CHANGE 2 OF 9 SEP 99. REF B IS NAVSEAINST 9593.2, INSPECTION AND CERTIFICATION PROCESS FOR OIL POLLUTION ABATEMENT (OPA) SYSTEMS IN U.S. NAVY SURFACE SHIPS AND CRAFTS.//  
POC/D. HORN/CDR/CODE NEP/-/TEL:757-462-7578 X3028  
/TEL:DSN 253-7578 X3028/E-MAIL: HORN (AT)INSURV.NOSC.MIL//

RMKS/1. FOR TYCOMS: REQUEST THIS MESSAGE BE READDRESSED FOR WIDEST DISSEMINATION TO SURFACE UNITS AND ISICS.

2. THIS QUARTERLY MESSAGE IS INTENDED TO PROVIDE INFORMATION THAT WILL HELP IMPROVE SURFACE FLEET MATERIAL CONDITION. THE FOLLOWING ENVIRONMENTAL PROTECTION ISSUES ARE HIGHLIGHTED:

- OIL CONTENT MONITORSA. AFLOAT ENVIRONMENTAL COMPLIANCE INSPECTIONS AND ASSESSMENTS: ARTICLE 19-2.2.6 OF REF A REQUIRES EITHER A NEP OVERSIGHT COMPLIANCE INSPECTION AS PART OF THE REGULARLY SCHEDULED INSURV INSPECTION OR A SEPARATE NEP ASSESSMENT EVERY INTER-DEPLOYMENT TRAINING CYCLE (IDTC), NOT TO EXCEED 36 MONTHS FOR NON-DEPLOYERS. IF A SHIP DOES NOT HAVE AN INSURV MATERIAL INSPECTION (MI) SCHEDULED FOR THE CURRENT IDTC, THE ISIC SHALL SCHEDULE A NEP ASSESSMENT FOR THAT SHIP PRIOR TO THE NEXT DEPLOYMENT OR WITHIN 3 YEARS OF THE LAST INSURV MI. FOR SHIPS LARGER THAN DDG THE NEP ASSESSMENT IS NORMALLY CONDUCTED BY TWO INSURV INSPECTORS AND THREE ENVIRONMENTAL EQUIPMENT TECHNICAL ASSISTANTS DURING A TWO-DAY IN PORT PERIOD. THE ASSESSMENT REVIEWS EP PROGRAM REQUIREMENTS AND INVOLVES CHT, OWS, SOLID WASTE, AND POLLUTION PREVENTION (P2) EQUIPMENT DEMONSTRATIONS IDENTICAL TO A REGULAR INSURV MI. FOR MORE INFORMATION, CHECKLISTS, OR AN ELECTRONIC COPY OF REF A WITH CHANGE 2, CONTACT LCDR ROOT AT (757) 462-7578 EXT 3097, DSN 253-7578, OR E-MAIL ROOT(AT)INSURV.NOSC.MIL. CHECKLISTS AND THE COMPLETE REF A WITH CHANGE 2 ARE ALSO AVAILABLE ON THE INSURV INTERNET WEBSITE, UNDER INSP PREPS NAVOSH, AT [HTTP://WEBIX.NOSC.MIL/INSURV](http://WEBIX.NOSC.MIL/INSURV).

B. SOLID WASTE PROCESSING EQUIPMENT: NEARLY EVERY NAVY SHIP, FFG AND LARGER, IS NOW EQUIPPED WITH SOLID WASTE PROCESSING EQUIPMENT, WHICH NORMALLY INCLUDES A PLASTICS SHREDDER, TWO OR MORE PLASTIC WASTE PROCESSORS, A LARGE OR SMALL PULPER, AND A METAL/GLASS SHREDDER. DURING INSURV MATERIAL INSPECTIONS AND NEP ASSESSMENTS, THIS EQUIPMENT IS INSPECTED AND ALL UNITS DEMONSTRATED. FREQUENTLY DOCUMENTED DEFICIENCIES INCLUDE FAILURE TO CONDUCT PMS, LACK OF CLEANING, AND INADEQUATE TRAINING AND QUALIFICATION OF OPERATORS AND MAINTENANCE PERSONNEL. APPLICABLE MIP'S FOR THIS EQUIPMENT ARE:

1. PLASTICS WASTE PROCESSOR/CMU: 5933/004-41
2. SOLID WASTE SHREDDER: 5933/008-41
3. LARGE PULPER: 5933/010-41
4. SMALL PULPER: 5933/007-41

RESPONSIBLE PERSONNEL INCLUDE THE OPERATOR, MECHANICAL, AND ELECTRICAL MAINTENANCE INDIVIDUALS. PLASTIC WASTE PROCESSORS/CMUS ARE TIME CONSUMING TO CLEAN, BUT FAILURE TO CLEAN THE UNITS AFTER EACH DAY'S USE (MRC R-4D) CAN LEAD TO MECHANICAL FAILURE AND UNACCEPTABLE SANITARY CONDITIONS. CLEANING THE CMU IS ALSO EASIER IF THE PROPERLY MIXED MOLD RELEASE AGENT IS APPLIED LIBERALLY TO ALL INTERIOR SURFACES OF THE CMU CHAMBER, RAM FACE, AND DOOR FACE IMMEDIATELY AFTER CLEANING, AND PRIOR TO LOADING PLASTIC. THE MOLD RELEASE AGENT CAN BE ORDERED USING NSN 1H009-LL-H36-4132, MACLUBE 317 MOLD RELEASE EMULSION. SOME SHIPS WITHOUT THE MOLD RELEASE AGENT ON HAND HAVE USED COMMERCIAL SPRAY COOKING OIL, WHICH REACTS AT HIGH TEMPERATURE TO CREATE A STICKY RESIDUE THAT REQUIRES REMOVAL

WITH A SCOURING PAD. A NEW VHS FORMAT VIDEO IS AVAILABLE (#806492) TO DEMONSTRATE PROPER DAILY CLEANING OF THE UNIT. THIS AND MORE INFORMATION ON SOLID WASTE EQUIPMENT LESSONS LEARNED WERE PROVIDED IN NAVSEA ADVISORIES AVAILABLE ON THE NAVSEA NAVY SHIPBOARD INFORMATION CLEARINGHOUSE WEBSITE WWW.NAVYSEIC.COM, OR ON THE INSURV WEBSITE HTTP://WEBIX.NOSC.MIL/INSURV, UNDER INSP PREPS NAVOSH.

C. OIL POLLUTION ABATEMENT (OPA) EQUIPMENT CERTIFICATION: OPA EQUIPMENT CONSISTS OF THE OILY WASTE TRANSFER, HOLDING, AND PROCESSING SYSTEM, WHICH INCLUDES THE OIL WATER SEPARATOR (OWS), OIL CONTENT MONITOR (OCM), AND MEMBRANE POLISHING UNIT (IF INSTALLED). OPA SYSTEMS REQUIRE INITIAL AND PERIODIC CERTIFICATION. REF B DEFINES THE CERTIFICATION REQUIREMENTS AND PROCESS. INSURV CONDUCTS

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CERTIFICATION INSPECTIONS, USING THE CHECKLISTS IN REF B, DURING EVERY MATERIAL INSPECTION (MI) AND NEP ASSESSMENT. COMPLETED CHECKLISTS ARE THEN FORWARDED TO THE TYCOM FOR INITIAL OR 5-YEAR RECERTIFICATIONS. THE CERTIFICATION ENSURES PROPER EQUIPMENT INSTALLATION AND IS EQUIVALENT TO THE INTERNATIONAL OIL POLLUTION PREVENTION (IOPP) CERTIFICATE ISSUED TO PRIVATE SHIPS IAW TITLE 33, CFR. IT DOES NOT ENSURE THAT THE OWS REMOVES OIL TO PRODUCE AN EFFLUENT WITH LESS THAN 15 PPM OIL CONTENT. THE UNIT WILL ONLY PRODUCE LESS THAN 15 PPM EFFLUENT WITH PROPER MAINTENANCE AND BILGE WATER MANAGEMENT. A SHIP EQUIPPED WITH OPERATIONAL OPA EQUIPMENT MUST USE THOSE SYSTEMS. IAW REF A, ARTICLE 19-5.4.2A, IF THE OPA EQUIPMENT IS INOPERABLE DUE TO EQUIPMENT MALFUNCTION A CASREP MUST BE SUBMITTED FOR THE EQUIPMENT. EQUIPMENT RELIABILITY IS SEVERELY DEGRADED BY LACK OF USE. THE RELUCTANCE TO OPERATE OPA EQUIPMENT INPORT OFTEN LEADS TO OILY WASTE SLUDGE BUILD-UP IN SYSTEM PIPING, SAMPLING HARDWARE AND SENSORS. THE OWS CAN BE RUN INPORT WITH THE THREE-WAY DIVERTER VALVE PLACED IN THE RECIRC POSITION AND ELECTRICALLY DISCONNECTED FROM THE OCM. THIS WILL PREVENT DISCHARGE OVERBOARD AND STILL ALLOW REGULAR OPERATION OF THE SYSTEM. SEPARATED OIL WILL GO TO THE WASTE OIL TANK AND THE REMAINING EFFLUENT WILL RETURN TO THE OILY WASTE HOLDING TANK. WHEN SECURING THE SYSTEM, IT IS IMPORTANT TO PERFORM THE SW FLUSH TO REMOVE ANY RESIDUAL OILY WASTE FROM THE SYSTEM LINES.

D. ENVIRONMENTAL PROTECTION TRAINING:

1. AFLOAT ENVIRONMENTAL PROTECTION COORDINATOR (AEPC): INSURV INSPECTIONS FOUND A DIRECT CORRELATION BETWEEN SHIPS HAVING A DESIGNATED/PROPERLY TRAINED AEPC AND PROPER COMPLIANCE WITH AFLOAT ENVIRONMENTAL PROTECTION PROGRAMS. REF A, ARTICLES 19-2.2.7C AND 19-2.2.11, REQUIRE ALL SHIPS TO HAVE AN AEPC ASSIGNED, WHO MUST COMPLETE THE AEPC COURSE, A-4J-0021, AVAILABLE THROUGH NAVOSHENVTRACEN SITES IN NORFOLK AND SAN DIEGO. A SHIPBOARD TRAINING ENHANCEMENT PROGRAM (STEP) COMPUTER-BASED TRAINING (CBT) IS ALSO AVAILABLE TO SATISFY THIS REQUIREMENT.

2. SOLID WASTE EQUIPMENT TRAINING: ARTICLE 19-7.4C OF REF A REQUIRES ALL PERSONNEL ASSIGNED TO OPERATE AND MAINTAIN SOLID WASTE PROCESSING EQUIPMENT COMPLETE THE FOLLOWING CNET STEP CD COMPUTER-BASED TRAINING:

A) PLASTIC WASTE PROCESSOR OPERATOR (CIN A-690-0006) AND MAINTENANCE (CIN A-690-0008)

B) SOLID WASTE SHREDDER OPERATOR (CIN A-690-0010) AND MAINTENANCE (CIN A-690-0009)

C) LARGE PULPER OPERATION (CIN A-690-0001) AND MAINTENANCE (CIN A-690-0004).

D) SMALL PULPER OPERATION (CIN A-690-0002) AND MAINTENANCE

(CIN A-690-0004)

3. ADDITIONALLY, PQS IS NOW AVAILABLE FOR SOLID WASTE EQUIPMENT AND SUPERCEDES THE JQR INCLUDED IN THE TECHNICAL MANUALS AND ANY OTHER LOCALLY DEVELOPED JQR'S.

4. ALL HANDS AWARENESS TRAINING: ARTICLE 19-2.2.7A OF REF A REQUIRES ALL HANDS RECEIVE ENVIRONMENTAL TRAINING UPON REPORTING ABOARD AND ANNUALLY THEREAFTER. THE VIDEOTAPE - YOUR SHIP, THE ENVIRONMENT, AND YOU- (806435) WAS DISTRIBUTED FLEETWIDE AND COVERS ALL THE TOPIC AREAS LISTED IN REF A FOR ALL HANDS TRAINING.

5. CHT SUPERVISORS: ARTICLE 19-3.4 OF REF A, PERSONNEL ASSIGNED TO SUPERVISE SEWAGE OR GRAY WATER DISPOSAL OPERATIONS SHALL COMPLETE THE SHIPBOARD SEWAGE COLLECTION, HOLDING, AND TRANSFER (CHT) COURSE, K-652-2141, PRIOR TO ASSUMING THESE DUTIES. THIS COURSE IS AVAILABLE ON THE STEP CD-ROM.

6. INCINERATOR OPERATORS: ARTICLE 19-4.3.3E OF REF A REQUIRES PERSONNEL ASSIGNED TO OPERATE THE INCINERATOR COMPLETE THE INCINERATOR OPERATOR PERSONNEL QUALIFICATIONS STANDARD (PQS), NAVEDTRA 43558, PRIOR TO ASSIGNMENT.

7. OPA EQUIPMENT SUPERVISORS: ARTICLE 19.5.5 OF REF A REQUIRES PERSONNEL ASSIGNED TO SUPERVISE OILY WASTE PROCESSING AND DISPOSAL OPERATIONS COMPLETE THE OIL POLLUTION ABATEMENT (OPA) EQUIPMENT OPERATION AND MAINTENANCE COURSE, K-652-2196, PRIOR TO ASSUMING THESE DUTIES. ALL PERSONNEL WHO OPERATE OR MAINTAIN OIL PROCESSING, TRANSFER OR DISPOSAL EQUIPMENT SHALL COMPLETE THE OIL SPILL CONTROL AND REMOVAL EQUIPMENT PQS, NAVEDTRA 43195-B, PRIOR TO ASSIGNMENT TO THOSE DUTIES.

8. OIL SPILL RESPONSE TEAM: ARTICLE 19-9.3C OF REF A REQUIRES ONE PETTY OFFICER IN EACH INPORT FIRE PARTY AND EACH REPAIR PARTY TO QUALIFY ON WATCHSTATION 304, OIL/HAZARDOUS MATERIAL (SUBSTANCE) SPILL RESPONSE SCENE LEADER, IN THE HAZARDOUS MATERIAL/ENVIRONMENTAL PROTECTION PROGRAMS AFLOAT PQS, NAVEDTRA 43528-A, WITHIN SIX MONTHS OF ASSIGNMENT. EACH INPORT EMERGENCY PARTY SHALL PERFORM AN OVER-THE-SIDE SPILL DRILL AT LEAST ANNUALLY.

E. OZONE DEPLETING SUBSTANCE (ODS) DISCHARGE DOCUMENTATION: REF A, ARTICLE 19-4.3.2F, REQUIRES SHIPS WITH AC/R SYSTEMS WITH AN INSTALLED REFRIGERANT CHARGE OF MORE THAN 50 POUNDS, SUCH AS CFC-11, CFC-12, CFC-114, AND SUBSTITUTES HFC-134A AND HFC-235FA, RECOVER REFRIGERANTS AND PREVENT INTENTIONAL RELEASE OF REFRIGERANTS. INSURV INSPECTS WORKER TRAINING AND EPA CERTIFICATIONS, ODS RECOVERY EQUIPMENT, AND RECORDS OF MAINTENANCE, INCLUDING LEAKAGE RATES. THE RECORDS MUST INCLUDE MAINTENANCE ACTIONS, NAMES OF TECHNICIANS PERFORMING WORK, POUNDS OF REFRIGERANT REMOVED, AND POUNDS OF REFRIGERANT ADDED. SHIPS SHALL KEEP THESE RECORDS FOR 3 YEARS. INSURV FREQUENTLY FINDS A LOG OF POUNDS OF REFRIGERANT ON BOARD, BUT NO RECORD OF LEAKAGE OR ACCIDENTAL DISCHARGES. ALSO, RECORDS ARE STILL REQUIRED EVEN AFTER CONVERSION OF AC/R UNITS TO NON-OZONE DEPLETING SUBSTANCES.

3. SHIP AEPC'S ARE ENCOURAGED TO CONTACT THE INSURV NEP BOARD FOR INFORMATION AND GUIDANCE PRIOR TO THEIR INSPECTION. ENVIRONMENTAL COMPLIANCE PROCEDURES AND INFORMATION CHANGE FREQUENTLY. THE SHIP AEPC'S UP-TO-DATE KNOWLEDGE IS CRUCIAL TO AN EFFECTIVE ENVIRONMENTAL PROGRAM. CDR D. HORN AND LCDR C. ROOT ARE AVAILABLE TO ASSIST. CONTACT INFORMATION ABOVE APPLIES.//

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ACTION:

INSURV INCOMING MESSAGE FOLDER